

FIG 1A
(PRIOR ART)

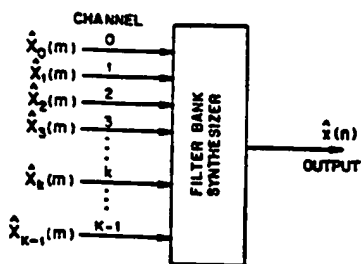


FIG 1B
(PRIOR ART)

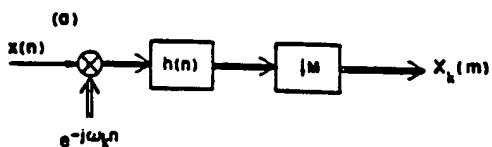


FIG 2A
(PRIOR ART)

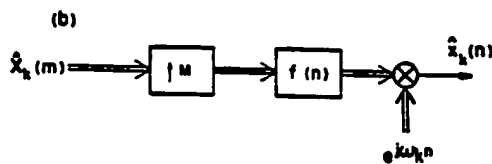


FIG 2B
(PRIOR ART)

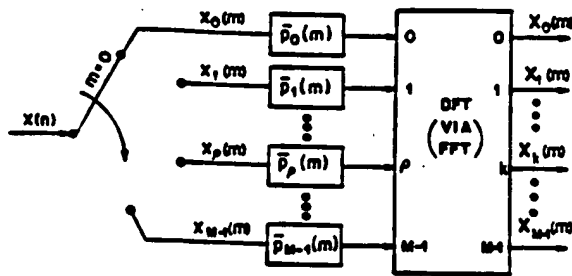


FIG 3A
(PRIOR ART)

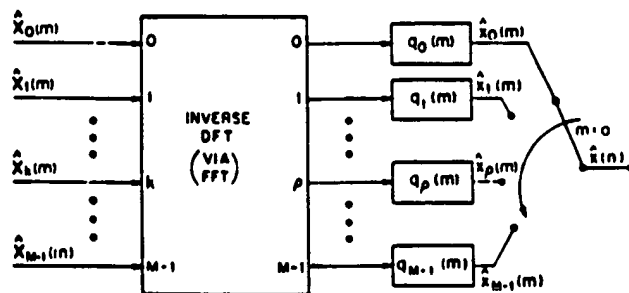


FIG 3B
(PRIOR ART)

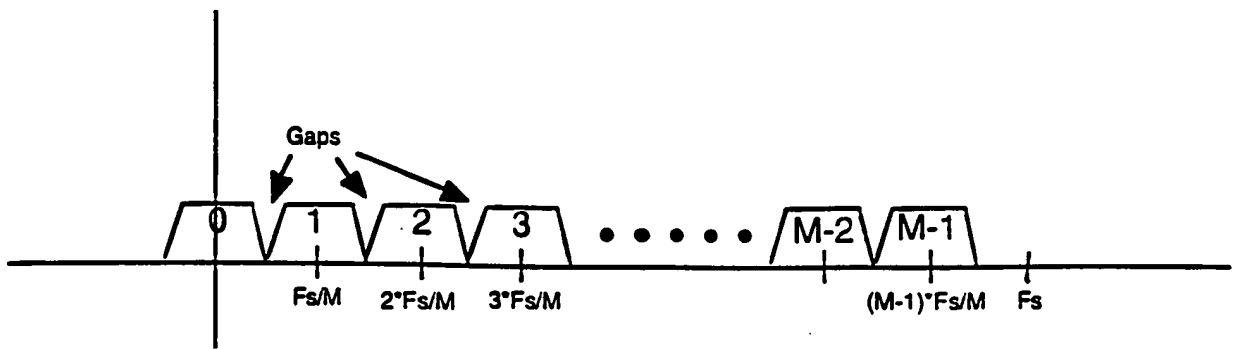


FIG 4
(PRIOR ART)

POLYPHASE FILTER

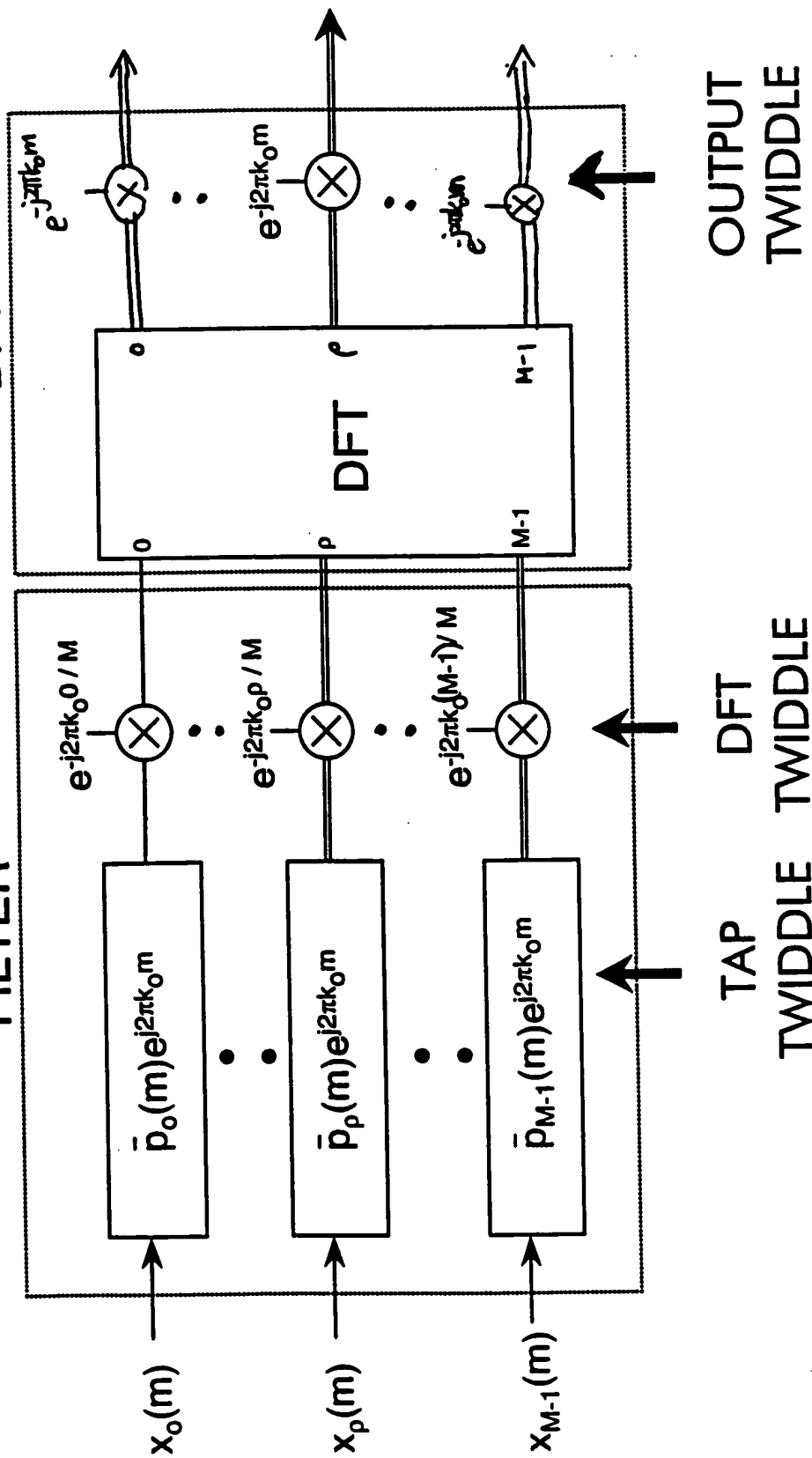
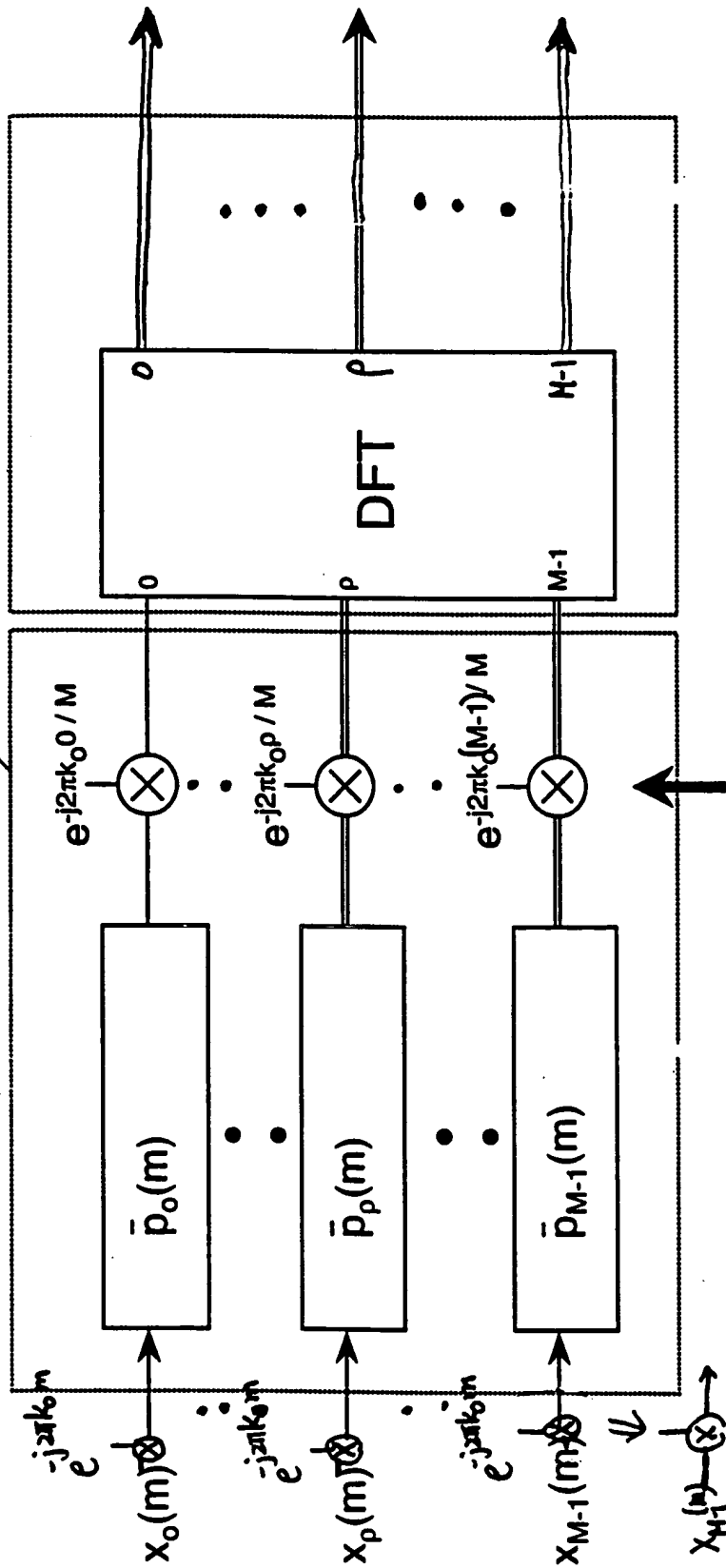


FIG. 5A
(PRIOR ART)

POLYPHASE FILTER

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DFT
TWIDDLE

FIG. 5B

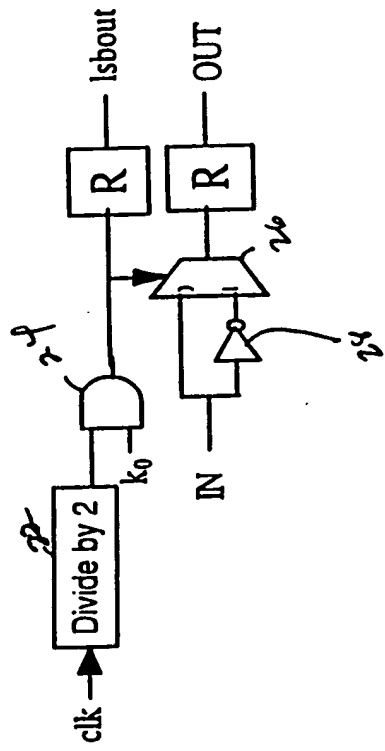
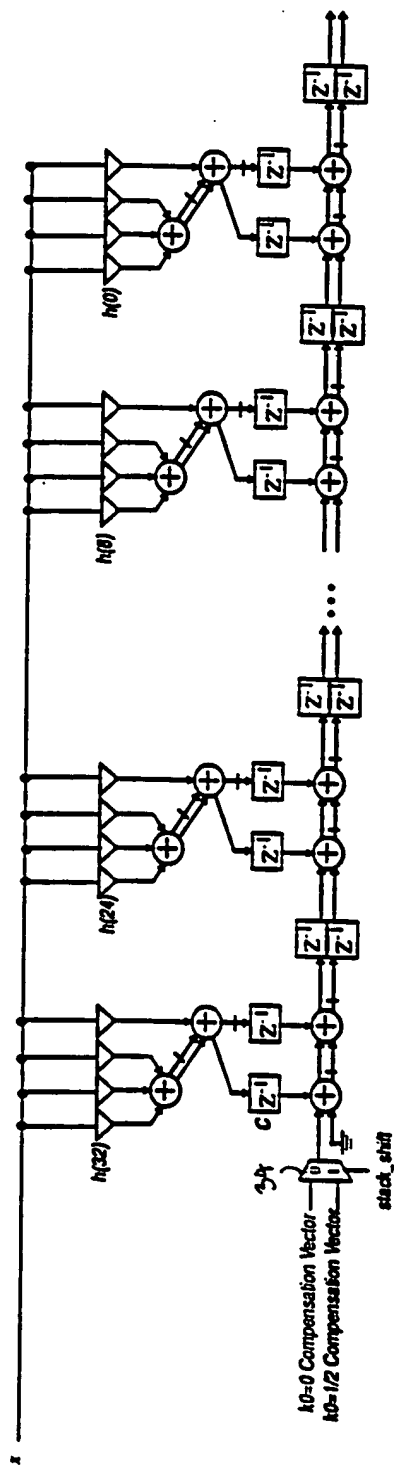


FIG 6

Sample Polyphase Filter Structure



Using compensation vector to perform LSB addition of two's complement negation

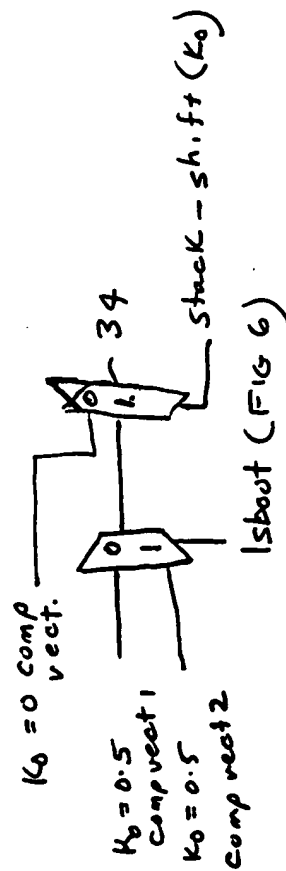


FIG 7B